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Division of Insect Pest Survey and Information

United States Department of Agriculture
Agricultural Research Administration
Bureau of Entomology and Plant Quarantine

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE ARTICLES PUBLISHED IN 1946

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This list consists of articles by Bureau workers published within the Department or in outside periodicals during 1946. The articles are grouped according to the subject matter. The names of authors not members of this Bureau are indicated by asterisks (*).

Copies of processed publications of the Bureau--E and ET series and special supplements to the Insect Pest Survey--and printed publications of the Department may be obtained by writing to the Bureau of Entomology and Plant Quarantine, Washington 25, D. C. Reprints of articles published in outside periodicals are not generally available for distribution.

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BEES AND POLLINATION

(1) Farrar, C. L.
Two-Queen Colony Management. U. S. Bur. Ent. and Plant Quar. E-693, 14 pp. [Processed.] May. (Issued in June.)

(2) ______ and Bain, H. F.*
Honeybees as Pollinators of the Cranberry. Amer. Bee Jour. 86 (12): 503-504. December.

(3) Hambleton, J. I.
Information About Bee Culture. U. S. Bur. Ent. and Plant Quar. E-276, rev., 10 pp. [Processed.] July.

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The Indispensable Honeybee. Smithsn. Inst. Rpt., 1945 (Pub. 3828), pp.293-304. December.

(5) Hare, Q. A., and Vansell, G. H.
Pollen Collection by Honeybees in the Delta, Utah, Alfalfa Seed-Producing Area. Amer. Soc. Agron. Jour. 38 (6): 462-469. June.

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A Simple Field Test for American Foulbrood. Gleanings Bee Cult. 74 (1): 6-7; January. Also Beekeepers Item 30 (1): 11-12; January. Canad. Bee Jour. 54 (1): 5-6; January. Amer. Bee Jour. 86 (1): 14, 34. January.

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Newer Knowledge of American Foulbrood. Gleanings Bee Cult. 74 (3): 138-139. March.

(8) McGregor, S. E.
Farmer-Beekeeper Cooperation Meeting in California. Amer. Bee Jour. 86 (8): 338-339. August.

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Effect of Temperature and Relative Humidity upon Sugar Concentration of Nectar. Jour. Econ. Ent. 39 (4): 513-515. August.

(10) Schaefer, C. W., and Farrar, C. L.
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Some Bee Plants of Utah. Farm and Home Sci. [Utah Agr. Expt. Sta.] 7 (1): 6-7. March.

(13) ______ and Todd, F. E.
Alfalfa Tripping by Insects. Amer. Soc. Agron. Jour. 38 (6): 470-488. June. (Abstract in Farm and Home Sci. [Utah Agr. Expt. Sta.] 7 (2): 9-10. June.)

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Feeding Bees for Comb Production. Gleanings Bee Cult. 74 (4): 198-202, 247. April.

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Bee Culture Investigations. [Report on Work Done at the Southern States Bee Culture Field Laboratory During 1945.] La. Agr. Expt. Sta. Ann. Rpt., 1944-1945, pp. 127-129. May.

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Growth Stages of Corn as Related to European Corn Borer Infestation. U. S. Bur. Ent. and Plant Quar. ET-232, 5 pp. [Processed.] August.

(17) Blanchard, R. A., Chamberlin, T. R., and Satterthwait, A. F.
Controlling the Fall Armyworm in Sweet Corn and Popcorn with DDT. (Sci. Note) Jour. Econ. Ent. 39 (6): 817. December.

(18) Cartwright, W. B.
Hessian Fly Survey at Harvesttime, 1946. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey Sup. 6, 3 pp. [Processed.] September.

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The Colonization of Parasites of the European Corn Borer in the United States in 1945. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey Spec. Sup. 3, 4 pp. [Processed.] April.

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The Field Status of the European Corn Borer at Close of 1944 Season. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey Spec. Sup. 2, 10 pp. [Processed.] March.

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(24) ______ Douglas, W. A., and Hamner, A. L.*
Tests of Corn Hybrids and Varieties in Mississippi, 1945. Miss. Agr. Expt. Sta. Bul. 427, 10 pp. January.

(25) Emery, W. T.
Temporary Immunity in Alfalfa Ordinarily Susceptible to Attack by the Pea Aphid. Jour. Agr. Res. 73 (2): 33-43. July.

(26) Ingram, J. W., and Dugas, A. L.
Losses Resulting from Sugarcane Borer Injury to Sugarcane in 1945. Sugar Bul. 25 (2): 10-11. October.

(27) Lieberman, F. V.
Experiments with DDT, Sabadilla, and Pyrethrum Dusts for Control of *Lygus* spp. on Seed Alfalfa. Amer. Soc. Agron. Jour. 38 (6): 489-494. June.

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(32) ______ and Gertler, S. I.
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(33) Rockwood, L. P., Reeher, M. M., Mote, D. C., Anderson, E. C., and Scullen, H. A.
Control of Weevil in Hairy Vetch Grown for Seed. Oregon Agr. Expt. Sta. Cir. 372, 3 pp. [Processed.] January.

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Status of the European Corn Borer in 1945. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey, Spec. Sup. 1, 15 pp. [Processed.] January.

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Grasshopper Control. Agr. Chem. 1 (4): 15-18, 57, 59. August.

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Selection for Aphid Resistance Within Inbred Lines of Maize. Amer. Soc. Agron. Jour. 38 (11): 974-977. November.

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Cotton Insect Investigations. S. C. Agr. Expt. Sta. Ann. Rpt. (1945) 58: 101-105. February.

(43) Clancy, D. W.
Natural Enemies of Some Arizona Cotton Insects. Jour. Econ. Ent. 39 (3): 326-328. June.

(44) Curl, L. F.
The Pink Bollworm of Cotton Situation as of March 1946. Acco Press 24 (4): 1-5. April.

(45) Ivy, E. E., and Ewing, K. P.
Benzene Hexachloride to Control Cotton Insects. Jour. Econ. Ent. 39 (1): 38-41. February.

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A Hibernation Cage for the Pink Bollworm. U. S. Bur. Ent. and Plant Quar. ET-226, 6 pp. [Processed.] January.

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Benzene Hexachloride to Control Bugs on Cotton. (Sci. Note) Jour. Econ. Ent. 39 (1): 81. February.

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- Cotton Aphid (*Aphis gossypii* Glov.). No. 17. April.
- Cotton Flea Hopper (*Psallus seriatus* (Reut.)). No. 18. April.
- Cotton Leafworm (*Alabama argillacea* (Hbn.)). No. 19. April.
- Red Spider (*Tetranychus bimaculatus* Harvey). No. 20. April.

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A High-Capacity Sensitive Relay. Science 104 (2703): 373-374. October.

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Use of the Blower Applicator in Fumigation. Calif. Citrog. 31 (5): 154, 166-167. March.

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A Tree-Class Slide Rule. Jour. Forestry 44 (10): 755-757. October.

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Field Experiments with Heat-Generated Aerosols. Jour. Econ. Ent. 39 (5): 614-619. October.

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A Special Chamber for Testing Insecticidal Sprays. U. S. Bur. Ent. and Plant Quar. ET-229, 3 pp. [Processed.] July.

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Airplane Spraying of Insecticides. Part I. Agr. Chem. 1 (2): 16-19, 63, 64. June. Part II. Airplane Spraying. Agr. Chem. 1 (3): 19-20. July.

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Mist Blowers for Applying Concentrated Spray. Conn. (State) Agr. Expt. Sta. Bul. 501, pp. 47-60. August.

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(60) Sebora, L. H., Deonier, C. C., Wisecup, C. B., Husman, C. N. and Longcoy, O. M.
Performance of Aerial Spray Equipment Used to Disperse DDT at Orlando, Florida: Summary. Mosquito News 6 (4): 169-177. December.

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A Power Sprayer for Applying Concentrated Insecticides.
U. S. Bur. Ent. and Plant Quar. ET-231, 8 pp. [Processed.]
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(62) Yuill, J. S., Deonier, C. C., Wisecup, C. B., and Girdler, G. W.*
Development of Spraying Apparatus for HNS-1 Helicopter.
Jour. Econ. Ent. 39 (6): 729-734. December.

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Staminate Flowers and Spruce Budworm Abundance. Canad. Forest
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(64) Craighead, F. C., and Brown, R. C.
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(65) Dodd, H. J.
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(66) Dowden, P. B.
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(68) St. George, R. A., and Furry, M. S.*
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(8): 207-210. April.

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New Developments in Gypsy Moth Control. Agr. Chem. 1 (5):
22-25. September.

(70) Whitten, R. R., and Parker, D. E.
Experimental Control of Shade-Tree Insects with DDT.
Natl. Shade Tree Conf. Proc. 21: 13-17. April.

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(71) Brunson, M. H.
The Oriental Fruit Moth on Nursery Stock. Jour. Econ. Ent. 39 (6): 797-800. December.

(72) Carlson, F. W., and Yothers, M. A.
Dinitro-o-Cresol and DDT to Control Full-Grown Codling Moth Larvae. (Sci. Note) Jour. Econ. Ent. 39 (3): 408-409. June.

(73) ______ and Yothers, M. A.
A Penetrant Aid for Codling Moth Trunk Sprays. (Sci. Note) Jour. Econ. Ent. 39 (3): 409-410. June.

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(77) Cressman, A. W., and Broadbent, B. M.
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Pear Psylla Control in 1945. Wash. State Hort. Assoc. Proc. 41: 143-145, 147-149.

(79) Dean, F. P., Newcomer, E. J., and Westlake, W. E.*
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(81) Newcomer, E. J.
Growers' Results with DDT for Codling Moth Control. Wash. State Hort. Assoc. Proc. 42: 55-59.

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(90) Plummer, C. C.
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The Orchard-Insect Situation, 1946. Pa. State Hort. Assoc. Proc. 87: 84-88, 90-92.

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Toxicity of Aromatic Esters of p-Toluenesulfonic Acid to Codling Moth Larvae. Jour. Econ. Ent. 39 (5): 674. October.

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The Evaluation of Liquefied-Gas Aerosol Formulations. Soap and Sanit. Chem. 22 (2): 133, 135, 165. February.

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Accelerated Aging Test for Insecticidal Aerosols Containing DDT. Indus. and Engin. Chem., Analyt. Ed. 18 (2): 131-132. February.

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Pyrethrin I Determination: The Effect of Light in Causing Variations in Experimental Results. Soap and Sanit. Chem. 22 (7): 148A, 148C. July.

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